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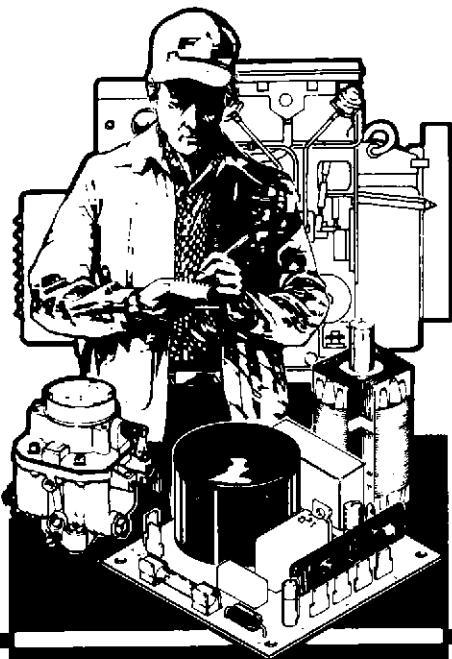
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Onan

Parts Manual

3.0 kW

AJ



RV Electric Generating Set

**924-0222
8-88 (Spec P-S)
Replaces 9-81 (Spec P-S)
Printed in U.S.A.**

Onan Service Parts



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Onan Corporation
A Subsidiary of
McGraw-Edison Company
1400 73rd Avenue N.E.
Minneapolis, MN 55432
812 574-5000

Supplement 924-2000

Date: 11/8/83

Insert with -

Title: Parts Catalog
Number: 924-0222

These parts apply to 2.5AJ-RV Gen Sets (50 Hz) beginning Spec S. Use these parts in place of/or in addition to those listed in the main parts catalog.

Parts that are similar in appearance to those in the main parts catalog are not illustrated. Referenced parts under a main descriptive title that are not listed herein do not change.

CYLINDER BLOCK

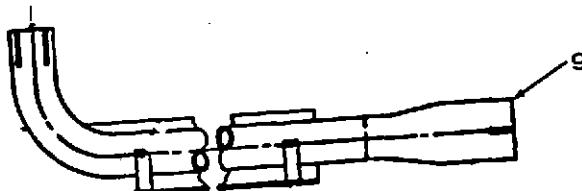


REF.	PART NO.	QTY.	PART USED DESCRIPTION
49	403-0856	1	Eye Bolt, Lifting

FUEL SYSTEM

REF. NO.	PART NO.	QTY.	PART USED DESCRIPTION
1	146-0355	1	Carburetor, Gasoline (Kit) (Includes Mounting Gasket)
22	307-1302	1	Valve, Fuel Safety Shutoff (Electric)

EXHAUST SYSTEM



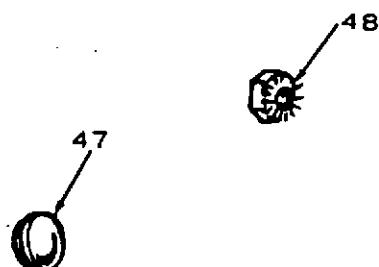
REF. NO.	PART NO.	QTY.	PART USED DESCRIPTION
9	155-1588	1	Tube Assembly, Exhaust (Includes Heat Shield)

GENERATOR

REF. NO.	PART NO.	QTY.	PART USED DESCRIPTION
3	510-0047	1	+ Bearing, Ball
10	815-0391	2	Screw, Cap - Hex Head 50 Hz - Spec S (#10-32 x 1/2")
12	ARMATURE ASSEMBLY, WOUND 201-2658	1	240 Volt, 50 Hz (Includes Parts Marked +)
	201-2659	1	120 Volt, 50 Hz (Includes Parts Marked +)
13	203-0148	1	+ Commutator (DC)
14	204-0009	1	+ Collector Ring (AC)

+ - Parts Included in 201-2658 Armature Assembly.
201-2659

CONTROL



REF. NO.	PART NO.	QTY.	PART USED DESCRIPTION
35	332-0147	2	Terminal (#10)
47	517-0132	1	Plug, Output Box (7/16")
48	870-0183	2	Nut, Hex (6-32 wet)



Power Generation

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Introduction

This catalog applies to the standard 3.0 AJ Recreational Vehicle generator set. Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the model and specification number from the nameplate, select parts from this catalog that apply to your set. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

MODEL AND SPECIFICATION	ELECTRICAL DATA					
	TYPE	WATTS	VOLTS	HERTZ	WIRE	PHASE
2.5 AJ-524R/*	REMOTE	2500	220	50	2	1
3.0 AJ-1R/*	REMOTE	3000	120	60	2	1

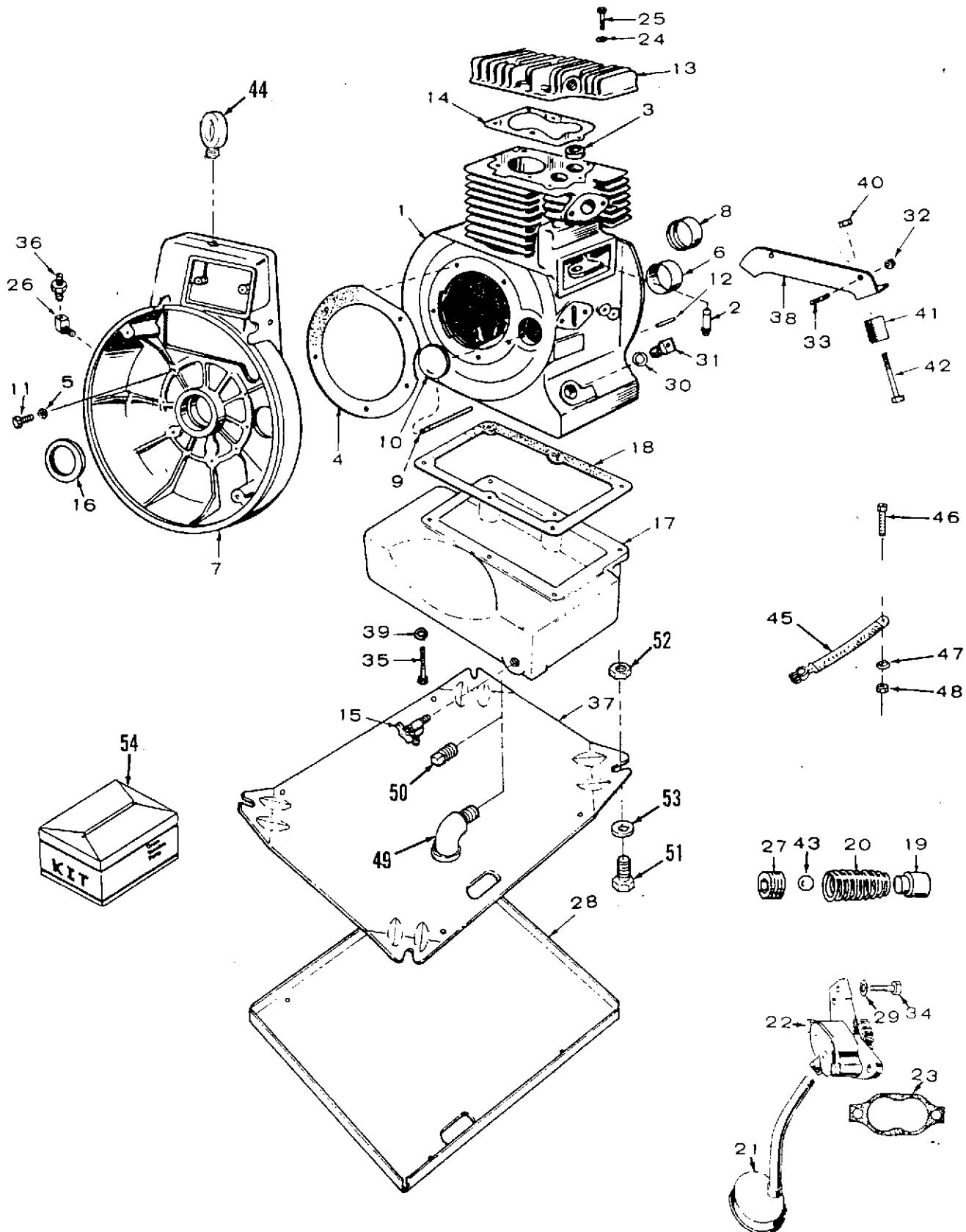
* - The Specification Letter advances (A to B, B to C, etc.) with manufacturing changes.

The letter R in MODEL and SPEC denotes electric start with start-stop at both the set and the remote control.

NOTICE!

Items referenced as Optional indicate part is factory installed and may not be applicable to all models. For field conversions, additional parts are usually required.

Cylinder Block

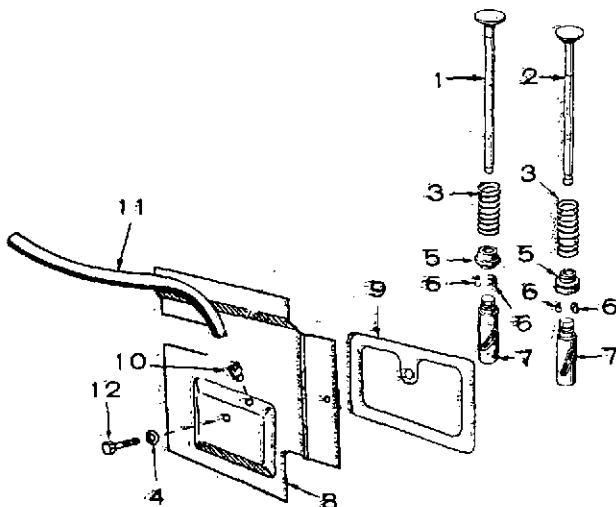


Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1		1	Block, Cylinder (See Short Block Catalog #932-0109) (Includes Parts Marked *)	26	502-0196	1	Elbow, Oil Pressure Switch Mounting
2	110-0441	2	*Guide, Valve	27	505-0274	1	Plug, Oil By-Pass
3			Insert, Valve Seat - Exhaust (Chrome - Cobalt)	28	403-1376	1	Pan, Drip
	110-0826	1	*Standard .002" Oversize	29	850-0040	2	Washer, Lock - Spring (1/4")
	110-0826-02	1	.005" Oversize	30	102-0612	1	Gasket, Oil Fill Plug
	110-0826-05	1	.010" Oversize	31	102-0753	1	Plug, Oil Fill
	110-0826-10	1	.025" Oversize	32	104-0091	2	Nut, Hex (Special)
	110-0826-25	1		33	520-0119	2	Stud, Engine Mounting Bracket
4	101-0257	1	*Kit, Gasket - Bearing Plate to Engine	34	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
5	850-0045	5	*Washer, Lock - Spring (5/16")	35	800-0056	6	Screw, Cap - Hex Head (3/8-16 x 2-1/2")
6	101-0367	2	*Bearing, Camshaft	36	309-0322	1	Kit, Switch - Oil Pressure (Includes Terminals)
7			Plate, Generator Adapter and Rear Bearing (Less Bearing)	37	403-1372	1	Plate, Mounting
	231-0217	1	Begin Spec R	38	403-1294	1	Bracket, Engine Mounting
	231-0258	1	Spec P (Kit)	39	850-0050	6	Washer, Lock - Spring (3/8")
8			Bearing, Crankshaft	40	870-0330	4	Nut, Hex - Self Locking (7/16-14)
	101-0290	2	*Standard .002" Undersize	41	402-0428	4	Cushion, Vibration - Engine End Mount
	101-0290-02	2	.010" Undersize	42	800-0076	4	Screw, Cap - Hex Head (7/16-14 x 2-1/4")
	101-0290-10	2	.020" Undersize	43	510-0043	1	Bearing, Ball - Steel (5/16")
	101-0290-30	2	.030" Undersize	44	403-0856	1	Bolt, Eye - Lifting, 50 Hertz, Spec S
9	120-0387	1	*Tube, Crankcase - Oil	45			Strap, Bond
10	517-0048	1	*Plug, Expansion		337-0049	1	Lower
11	800-0029	5	*Screw, Cap - Hex Head (5/16-18 x 1-1/8")		337-0091	1	Upper - Spec S
12	516-0012	2	*Pin, Dowel - Gear Cover Alignment	46	800-0003	1	Screw, Cap - Hex Head - Bond
13	110-2628	1	Head, Cylinder	47			Strap (1/4-20 x 1/2")
14	110-0836	1	Gasket, Cylinder Head				Washer, Lock (EIT) - Bond
15	504-0017	1	Valve, Oil Drain - Begin Spec S				Strap
16	509-0123	1	Seal, Oil - Crankshaft Rear (Note: Included in 168-0129 Gasket Kit)	856-0006	1	Spec R (1/4")	
				856-0008	1	Spec S (5/16")	
17	102-0864	1	Pan, Oil	48	862-0001	1	Nut, Hex - Bond Strap (1/4-20)
18	102-0866	1	Gasket, Oil Pan	49	505-0011	1	Elbow, 90° - 60 Hertz
19	120-0012	1	Plunger, Oil By-Pass	50	505-0054	1	Plug, Square Head - Oil Drain (1/4") (60 Hertz)
20	120-0140	1	Spring, Oil By-Pass	51	800-0090	4	Screw, Cap - Hex Head (1/2-13 x 1")
21	120-0571	1	Cup, Oil Pump Intake (Includes Screen)	52	862-0016	4	Nut, Hex (1/2-13)
22	120-0394	1	Pump, Oil (Includes Mounting Gasket)	53	850-0060	4	Washer, Lock (1/2")
23	120-0161	1	Kit, Gasket - Oil Pump	54	168-0129	1	Kit, Gasket - Engine Overhaul
24	526-0122	7	Washer, Flat - Hardened (5/16" Screw)				
25			Screw, Cap - Hex Head (Hardened)				* - Parts Included in Cylinder Block.
	110-0879	6	Special				
	114-0171	1	Special				

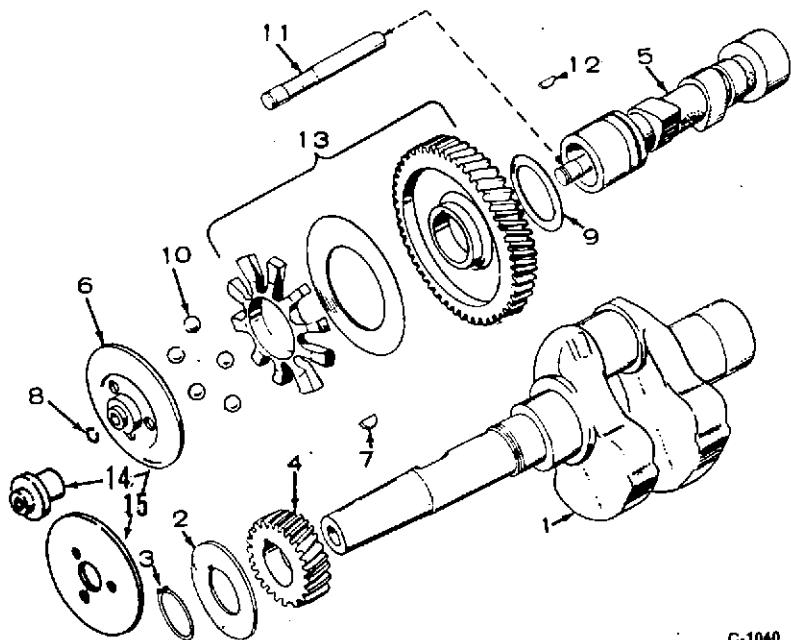


Valve and Breather



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	110-0828	1	Valve, Intake	7	115-0006	2	Tappet, Valve
2	110-0827	1	Valve, Exhaust	8	110-2248	1	Cover, Valve
3	110-0609	2	Spring, Valve	9	110-0832	1	Gasket, Valve Cover
4	526-0063	1	Washer, Flat - Copper (#10 Screw)	10	123-0486	1	Valve, Breather
5	110-0540	2	Rotocap, Valve	11	503-0679	1	Hose, Breather (13")
6	110-0008	4	Lock, Valve Spring Retainer	12	800-0015	1	Screw, Cap - Hex Head (1/4-20 x 3")

Camshaft and Crankshaft

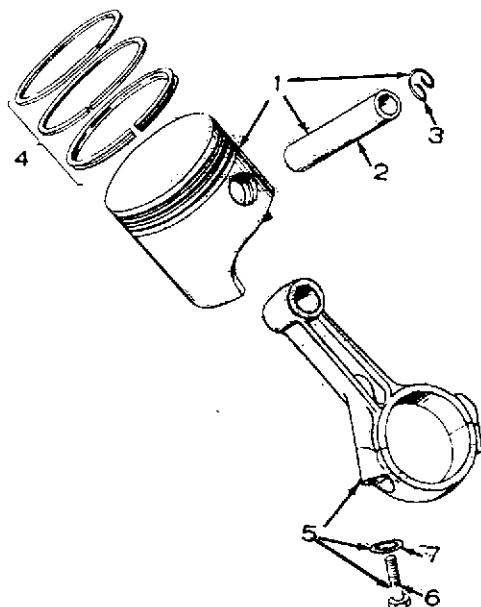


C-1040

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 104-1302		1	Crankshaft (Includes Parts Marked †)	8 150-0078		1	Ring, Lock - Cam Center Pin
515-0113		1	†Key (Not Shown)	9 105-0541		1	Washer, Camshaft Thrust
2 104-0050		1	Washer, Crankshaft Gear	10 510-0015		5	Ball, Fly - Governor
3 518-0012		1	Ring, Lock - Crankshaft Gear Washer	11 150-0075		1	Pin, Camshaft Center
4 104-0048		1	Gear, Crankshaft	12 515-0001		1	Key, Woodruff
5 105-0300		1	Camshaft (Includes Pin)	13 105-0377		1	Gear, Camshaft
6 150-1695		1	Kit, Cup - Governor (Includes Hub and Cup)	14 150-1519		1	Hub, Governor Cup
7 515-0001		1	†Key, Woodruff	15 150-1520		1	Cup, Governor (Includes Bushing)

† - Parts Included in 104-1302 Crankshaft Kit

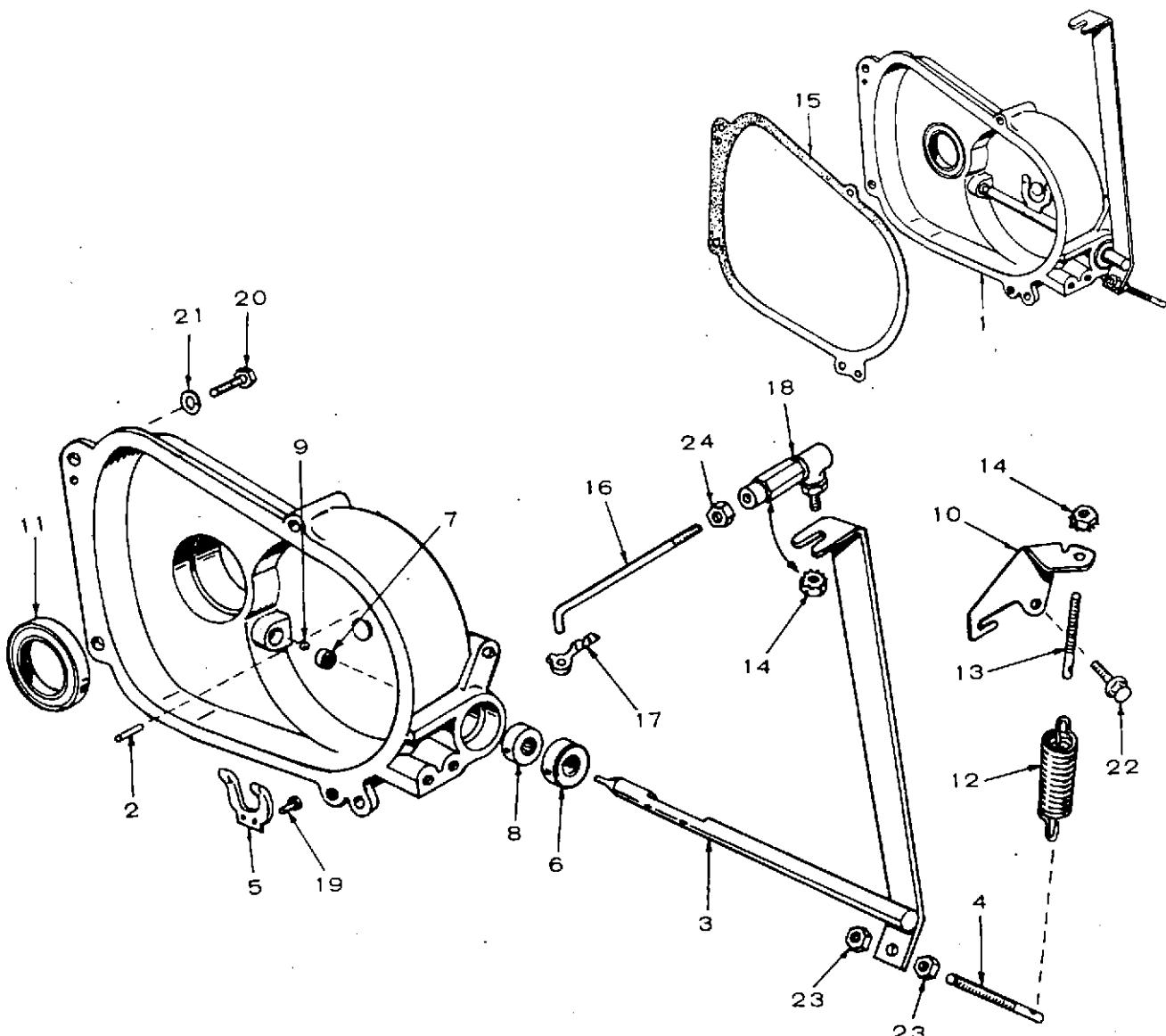
Piston and Rod



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1	112-0184	1	Piston (Includes Pin and Rings) Standard	5	114-0283	1	Rod, Connecting Standard	
	112-0184-05	1	.005" Oversize		114-0283-10	1	.010" Undersize	
	112-0184-10	1	.010" Oversize		114-0283-20	1	.020" Undersize	
	112-0184-20	1	.020" Oversize		114-0283-30	1	.030" Undersize	
	112-0184-30	1	.030" Oversize	6	114-0023	2	Screw, Cap - Hex Head (Special)	
	112-0184-40	1	.040" Oversize		7	854-0014	2	Washer, Lock - Internal Tooth (1/4")
2	112-0063	1	Pin, Piston					
3	112-0013	2	Ring, Piston Ring Set					
4	113-0193	1	Standard					
	113-0193-10	1	.010" Oversize					
	113-0193-20	1	.020" Oversize					
	113-0193-30	1	.030" Oversize					
	113-0193-40	1	.040" Oversize					

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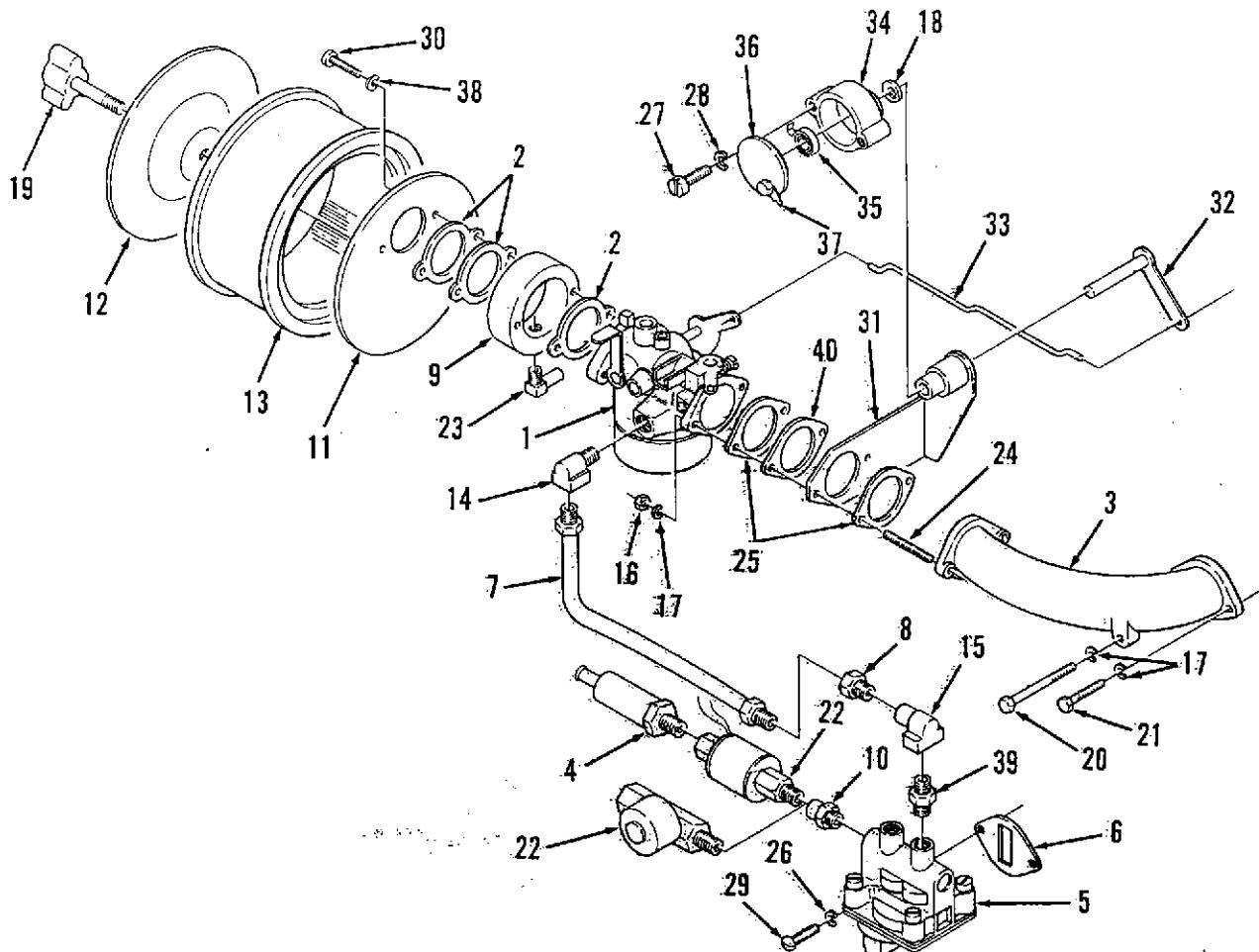
Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	103-0435	1	Gearcase (Includes Parts Marked *)	15	103-0013	1	Gasket, Gear Cover
2	516-0117	1	*Pin, Roll - Governor Cup Stop (3/16 x 13/16")	16	150-1428	1	Rod, Governor Arm to Carburetor
3	150-1426	1	*Arm and Shaft, Governor	17			Clip, Governor Link to Carburetor
4	150-0177	1	*Stud, Governor Sensitivity Adjusting	518-0004		1	Through Spec R
5	150-1187	1	*Yoke, Governor Shaft	518-0006		1	Begin Spec S
6	509-0008	1	*Seal, Oil - Governor Shaft	18	150-0639	1	Joint, Ball
7	510-0008	1	*Bearing, Governor Shaft - Lower	19	815-0046	2	*Screw, Machine - Pan Head, Cross Recessed (#8-32 x 3/8")
8	510-0013	1	*Bearing, Governor Shaft - Upper	20	800-0031	2	Screw, Cap - Hex Head 5/16-18 x 1-1/2"
9	510-0014	1	*Ball, Governor Shaft Thrust	800-0034		2	5/16-18 x 2-1/4"
10	150-1429	1	Bracket, Governor Spring	21	850-0045	4	Washer, Lock - Gear Cover Mounting (5/16")
11	509-0012	1	*Seal, Oil	22	815-0290	1	Screw, Tapping - Hex Washer Head (1/4-20 x 5/8")
12	150-0098	1	Spring, Governor	23	870-0053	2	*Nut, Hex (#10-32)
13	150-0096	1	Stud, Governor Spring Tension Adjusting	24	870-0053	1	Nut, Hex (#10-32)
14	870-0131	2	Nut, Hex - With External Tooth Lockwasher (#10-32)				

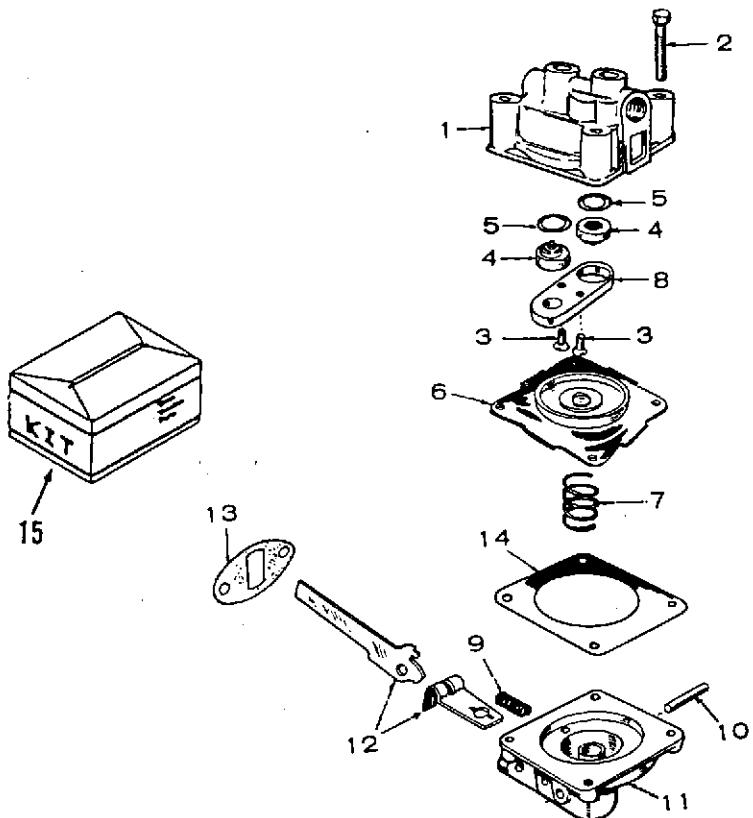
* - Parts Included in Gearcase.

Fuel System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	146-0355	1	Carburetor (See Separate Page for Components) (Includes Mounting Gasket)	21	800-0007	1	Screw, Cap - Hex Head (1/4-20 x 1")
2	145-0446	3	Gasket, Air Cleaner to Carburetor	22			Valve, Fuel Safety Shutoff - Electric
3	154-1601	1	Manifold, Intake	307-1279		1	Use through S/N 518697
4	149-1353	1	Filter, Fuel	149-1861		1	Begin S/N 518698
5	149-1784	1	Pump, Fuel (See Separate Page for Components) (Includes Mounting Gasket)	23	502-0433	1	.50 Hertz, Spec S
6	149-0003	1	Gasket, Fuel Pump Mounting Line, Fuel Pump to Carburetor	24	520-0870	2	Elbow, Hose
7	149-1460	1	Use with Electric Fuel Solenoid - Through S/N 518697	25	141-0078	2	Stud, Carburetor to Manifold
	149-1735	1	Use with Manual Fuel Solenoid - Begin S/N 518698	26	526-0063	2	Gasket, Carburetor Mounting
8	502-0003	1	Connector, Inverted Male	27	815-0285	2	Washer, Flat - Copper (1/4" Screw)
9	145-0511	1	Adapter, Air Cleaner to Carburetor	28	526-0048	2	Screw, Machine - Round Head W/ET (#8-32 x 5/16")
10	502-0082	1	Nipple, Solenoid Mounting	29	806-0008	2	Washer, Flat - Brass (#8 Screw)
11	140-1287	1	Plate, Air Cleaner Base	30	812-0087	2	Screw, Machine - Round Head (1/4-20 x 5/8")
12	140-1288	1	Cover, Air Cleaner	31	153-0505	1	Screw, Machine - Round Head (#8-32 x 1-1/2")
13	140-1188	1	Element, Air Cleaner	32	146-0241	1	Bracket, Choke (Includes Bushing)
14	502-0020	1	Elbow, Street	33	153-0504	1	Shaft, Choke
15	502-0002	1	Elbow, Inverted Male	34	153-0440	1	Link, Choke
16	868-0001	2	Nut, Hex (Special)	35	153-0017	1	Housing, Choke
17	850-0040	4	Washer, Lock - Spring (1/4")	36	153-0115	1	Element, Choke
18	518-0387	1	Retainer, Push-on	37	332-0527	1	Cover, Choke
19	140-1551	1	Knob, Air Cleaner	38	850-0025	2	Terminal, Choke
20	800-0012	1	Screw, Cap - Hex Head (1/4-20 x 2-1/4")	39	502-0175	1	Washer, Lock - Spring (#8 Adapter, Pipe (1/8")
				40	145-0469	1	Flange

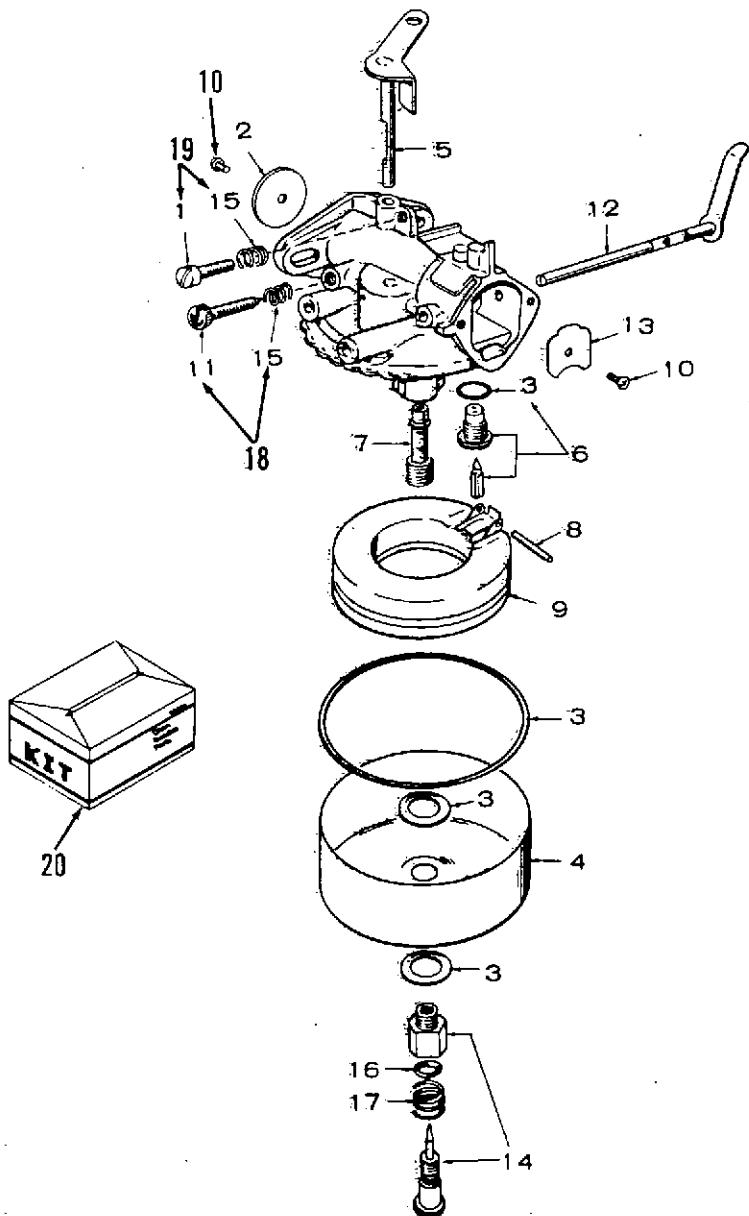
Fuel Pump Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149-1784	1	Pump, Fuel (Illustrated in Fuel System Group) (Note: Replaces 149-0693 Fuel Pump)	7	149-0672	1	*Spring
1	NFS	1	Body	8	149-0539	1	Retainer, Valve - Fuel Pump
2	815-0148	4	Screw, Machine - Hex Head, Slotted (#8-32 x 7/8")	9	149-0675	1	*Spring
3	815-0147	2	Screw, Tapping - Oval Head, Cross Recessed (#6-32 x 5/8")	10	516-0113	1	Pin, Rocker
4	149-0096	2	*Valve, Pump - Fuel	11	NFS	1	Body
5	149-0095	2	*Gasket, Valve	12	149-0710	1	Link and Arm, Rocker (Sold Only as a Set)
6	149-0582	1	*Diaphragm	13	149-0003	1	*Gasket - Fuel Pump Mounting
				14	149-0858	1	*Gasket, Diaphragm - Lower Side
				15	149-0526	1	Kit, Repair (Includes Parts Marked *)

* - Parts Included in 149-0526 Repair Kit.

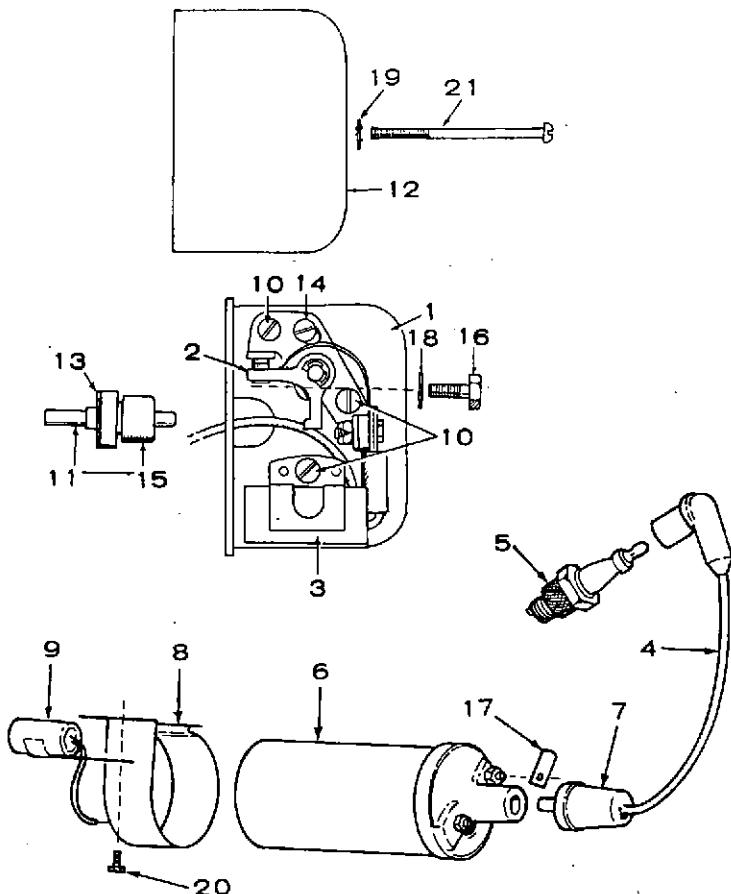
Carburetor Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
	146-0355	1	Carburetor, Gasoline		12	146-0252	1	Shaft, Choke
1	146-0122	1	Screw, Throttle Stop		13	146-0104	1	Valve, Choke
2	146-0119	1	Valve, Throttle		14	146-0102	1	*Needle, High Speed
3	146-0124	1	*Gasket Kit, Carburetor		15	146-0186	2	Spring, Adjust - Throttle
4	146-0118	1	Bowl, Fuel		16	146-0120	1	Stop Screw and Idle Needle
5	146-0251	1	Shaft, Throttle		17	146-0117	1	Seal, "O" Ring - High Speed
6	146-0145	1	*Valve, Float (Includes Seat Gasket, Valve and Spring)		18	146-0209	1	Needle
7	146-0113	1	Nozzle		19	146-0261	1	Spring, High Speed Needle
8	146-0111	1	*Shaft, Float		20	146-0253	1	Package, Idle Needle
9	146-0110	1	Float					
10	146-0109	2	Screw					
11	146-0116	1	*Needle, Idle					

* - Included in 146-0253 Repair Kit.

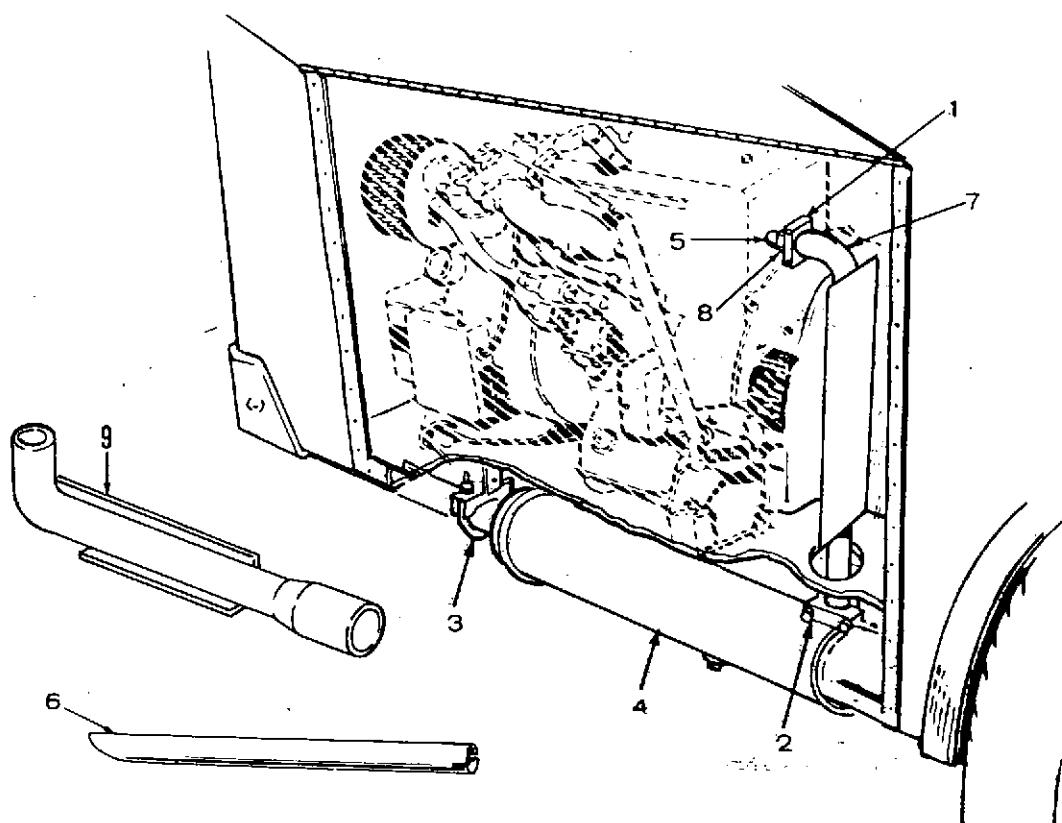
Ignition



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	160-1241	1	Box, Breaker (Includes Parts Marked *)	13	160-0461	1	Gasket, Plunger Guide
2	160-0002	1	*Point Set	14	160-0075	1	*Pivot, Breaker Arm
3	312-0181	1	*Condenser	15	160-0382	1	Diaphragm, Plunger (Part of Plunger)
4	167-1602	1	Lead, Spark Plug	16	800-0003	1	Screw, Cap - Hex Head (1/4-20 x 1/2")
5	167-0291	1	Plug, Spark - Resistor Type	17	332-0527	1	Terminal, Choke
6	166-0278	1	Coil, Ignition	18	526-0063	1	Washer, Flat - Copper (1/4" Screw)
7	160-0558	1	Nipple, Rubber - Ignition Coil	19	854-0010	1	Washer, Lock - Internal Tooth (#10)
8	166-0651	1	Clamp, Ignition Coil Mounting	20	815-0350	1	Screw, Tapping - Hex Head (#10-32 x 3/8")
9	312-0027	1	Condenser, Suppression				Screw, Machine - Round Head (#10-32 x 2-1/4")
10	518-0049	3	*Screw, Points and Condenser Mounting	21	813-0111	1	
11	160-0553	1	Plunger and Guide (Includes Diaphragm)				
12	160-0551	1	Cover, Breaker Box				

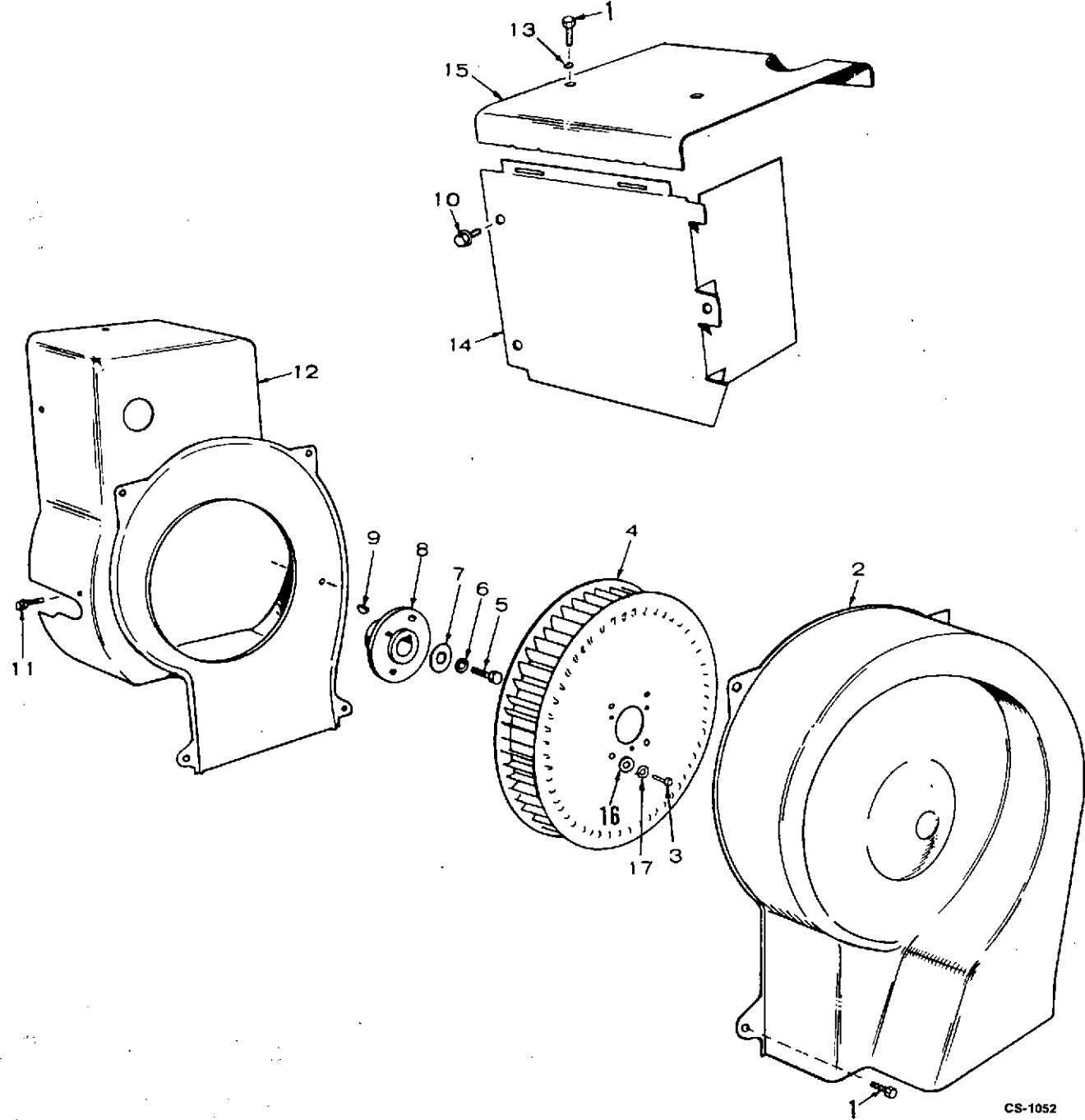
* - Parts Included in 160-1241 Breaker Box.

Exhaust System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-1255	1	Clamp, Muffler (1-1/8" Pipe)	6	155-1235	1	Tube, Exhaust (Optional)
2	155-1239	1	Clamp, Muffler (1-5/8")	7	155-1585	1	Tube, Exhaust
3	155-1234	2	Bracket, Hanger - Muffler	8	331-0038	1	Nut, Pipe Nipple (3/4")
4	155-1258	1	Muffler, Exhaust (Spark Arrestor)	9	155-1588	1	Tube, Exhaust (Includes Heat Shield) Begin Spec S
5	505-0906	1	Nipple, Pipe (3/4 x 5")				

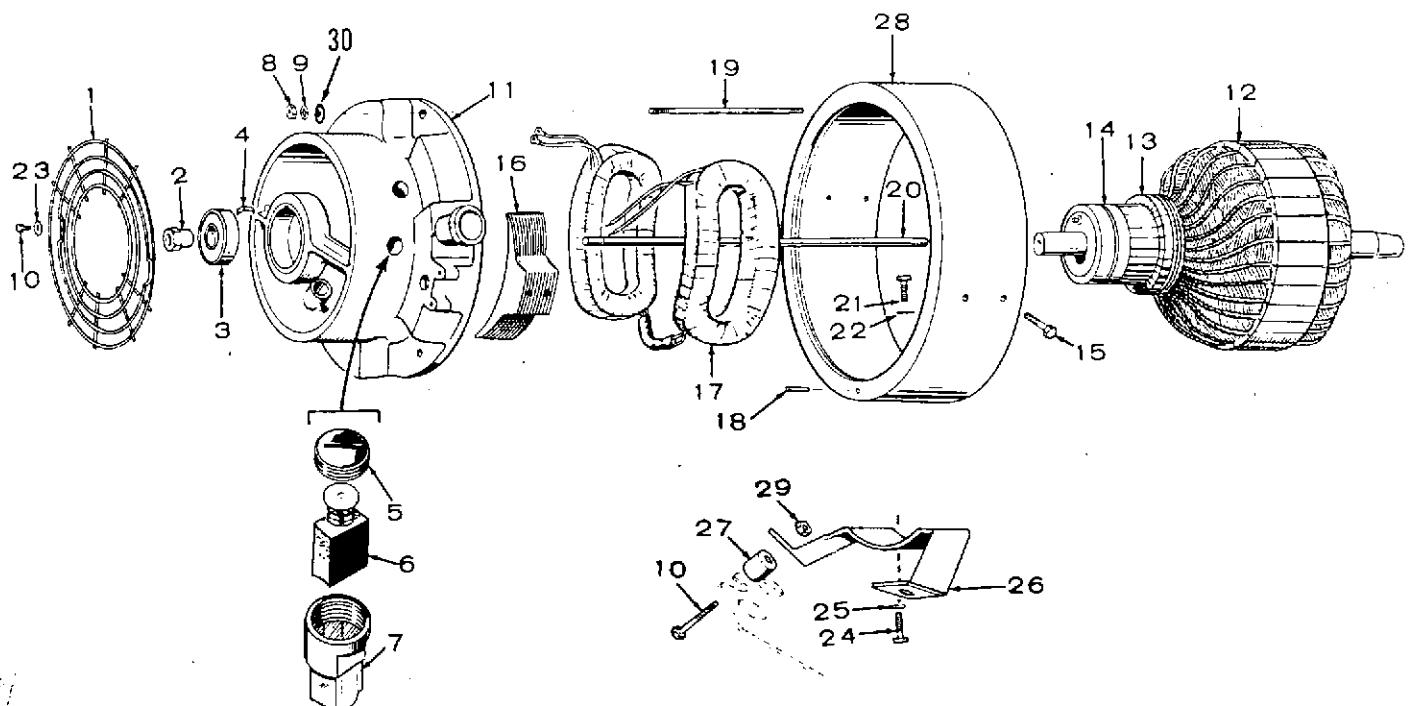
Air Housing



CS-1052

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Screw, Hex Washer Head - Self Locking (1/4-20 x 3/8")	8	134-1913	1	Hub
	821-0009	4	Air Scroll	9	515-0113	1	Key, Woodruff
	821-0009	2	Engine Side Cover	10	821-0008	4	Screw, Hex Washer Head - Self Lock (1/4-20 x 5/16")
2	134-2726	1	Scroll, Air	11	815-0261	1	Screw, Self-locking - Hex Washer Head (1/4-20 x 7/16")
3	800-0004	2	Screw, Cap - Hex Head (1/4-20 x 5/8")	12	134-3566	1	Cover, Engine
4	134-2777-01	1	Wheel, Blower (With Timing Notch)	13	850-0050	2	Washer, Lock (3/8")
5	104-0690	1	Screw, Cap - Hex Head (Special)	14	134-3563	1	Shroud, Cylinder Air
6	850-0055	1	Washer, Lock - Spring (7/16")	15	134-3564	1	Cover, Engine Side
7	526-0017	1	Washer, Flat - Brass (7/16" Screw)	16	526-0021	2	Washer, Flat (1/4" Screw)
				17	850-0040	2	Washer, Lock - Spring (1/4")

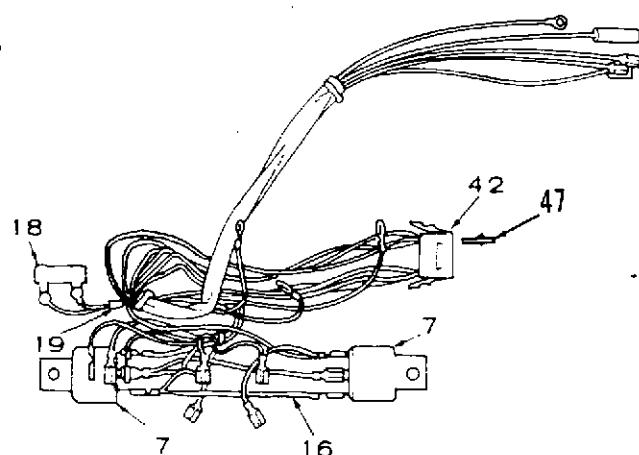
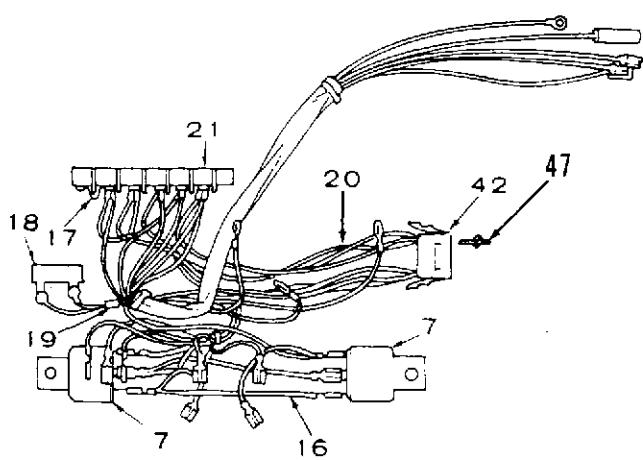
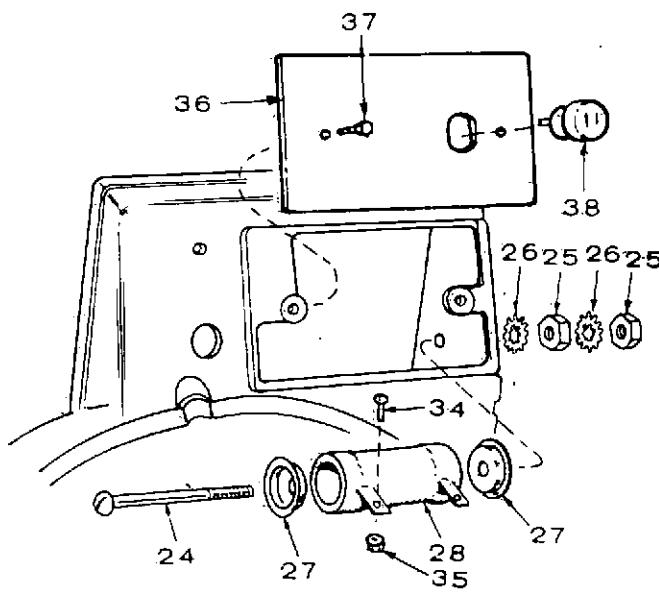
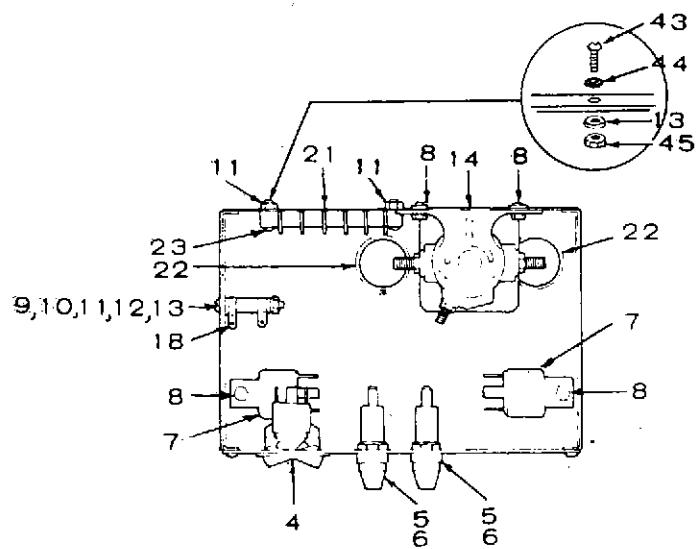
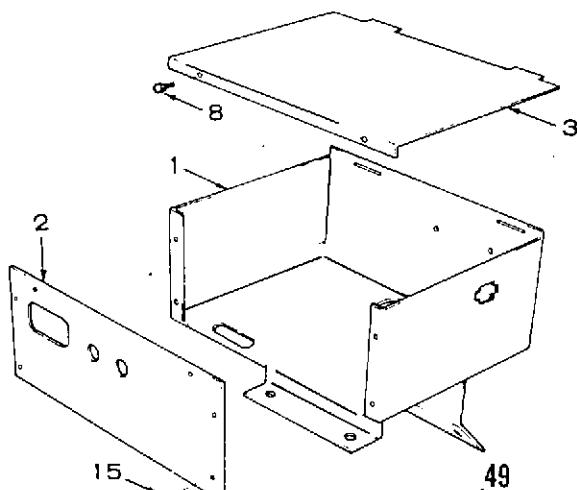
Generator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	234-0580	1	Cover, End Bell	15	800-0053	4	Screw, Cap - Hex Head (3/8-16 x 1-3/4")
2	870-0272	1	Nut, Socket Drive (3/8-16)	16	221-0156	2	Shoe, Pole
3	510-0047	1	*Bearing, Ball	17	222-1728	1	Coil, Field (2 Coils Wired Together)
4	232-0596	1	Clip, Retaining - Bearing Cap, Brush Holder	18	516-0103	2	Pin, Roll - Alignment
5	212-1219	2	DC Brush	19	520-0351	2	Stud, Generator Through
	212-1217	4	AC Brush	20	520-0871	1	Stud, Armature Through
6	214-0100	2	Brush	21	800-0028	1	Screw, Cap - Hex Head (5/16-18 x 1")
	214-0092	4	DC	22	856-1008	2	Washer, Lock - EIT (5/16")
			AC	23	526-0179	2	Washer, Flat (#10 Screw)
7			Holder, Brush	24	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1")
	212-1218	2	DC Brush	25	850-0050	2	Washer, Lock - Spring (3/8")
	212-1216	4	AC Brush	26	403-1065	1	Bracket, Mounting - Generator End
8	862-0015	2	Nut, Hex (5/16-18)	27	402-0428	2	Cushion, Vibration
9	856-0008	2	Washer, Lock - EIT (5/16")	28			Frame (Machined and Drilled Less Coils and Poleshoes)
10			Screw, Cap - Hex Head	210-0444			Begin Spec R
	815-0391	2	Begin Spec R (#10-32 x 1/2")	210-0443			Spec P
	800-0076	2	Begin Spec P (7/16-14 x 2-1/4")	29			Nut, Hex
11	211-0366	1	Bell, End (Includes Roll Pins)		870-0330	2	Begin Spec S (7/16-14)
12			Armature (Includes Parts Marked *)		870-0328	2	Through Spec R (10-32)
	201-2657	1	120 Volt, 60 Hertz	30	526-0115	2	Washer, Flat (5/16" Screw)
	201-2660	1	220 Volt, 50 Hertz				
13	203-0148	1	*Commutator (DC)				
14	204-0009	1	*Ring, Collector (AC)				

* - Parts Included in 201-2657 Armature.

Control



Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-4580	1	Box, Control	22	331-0088	2	Bushing, Insulating
2	301-4568	1	Panel, Control	23	812-0081	2	Screw, Machine - Round Head (#8-32 x 5/8")
3	301-4567	1	Cover, Control Box	24	812-0162	1	Screw, Machine - Round Head (1/4-20 x 3")
	301-4966	1	Spec P and R	25	862-0001	2	Nut, Hex (1/4-20)
	308-0383	1	Begin Spec S (with Schematic)	26	853-0013	2	Washer, Lock - EIT (1/4")
4	321-0175	2	Switch, Start-Stop	27	304-0006	2	Washer, Centering
5	321-0174	2	Holder, Fuse	28	353-0049	1	Resistor (10-Ohm, 45 Watt)
6	307-2562	2	Fuse, 5 Ampere	29	301-4573	1	Cover, Output Box
7	307-2562	3	Relay, Ignition	30	508-0160	1	Bushing, Output Box
	821-0004	6	#*Spec P and R	31	815-0172	2	Screw, Cap - Hex Head
			(#10-32 x 5/16")				(#10-32 x 1")
9	812-0087	1	Screw, Machine - Round Head	32	856-0003	2	Washer, Lock - EIT (#10)
			(#8-32 x 1-1/2")	33	301-4579	1	Box, Output
10	304-0580	1	Insulator, Resistor Mounting	34	815-0001	2	Screw, Machine - Binder Head
11	870-0221	3	Nut, Hex (W/ET) (#8-32) -				(#6-32 x 1/4")
			Spec S use 1	35	870-0183	2	Nut, Hex (#6-32)
12	508-0015	1	Washer, Fibre	36	301-4584	1	Cover, Adapter Outlet
13	526-0048	1	Washer, Flat (#8 Screw)	37	821-0004	2	Screw, Cap - Hex Washer Head
			Spec S use 2				(#10-32 x 5/16")
14	307-1498	1	Relay, Start Solenoid	38	508-0200	2	Bushing, Terminal
	307-1617	1	Spec P and R	39	320-0544	1	Breaker, Circuit (Includes Knurled Nut) - 60 Hertz
15	815-0350	4	Spec S	40	870-0053	2	Nut, Hex (#10)
			Screw, Cap - Hex Head Slotted	41			Screw
			(#10-32 x 3/8")				Round Head - Through Spec
16	338-1112	1	Harness, Wiring		812-0076	2	R (#8-32 x 5/16")
			Prior to Serial #C780310524				Round Head (#8 x 1/4")
			During Spec R (Includes		809-0030	2	Begin Spec S
			Parts Marked *)				
	338-1168	1	Begin Serial #C780310524	42	323-0440	1	*#†Housing, Socket
			Through Spec R (Includes	43	815-0238	1	Screw, Machine - Round Head
			Parts Marked #)				(ET-8-32 x 7/16")
	338-1266	1	Spec S (Includes Parts	44	853-0005	1	Washer, Lock (ET-#8) -
			Marked †)				Begin Spec S
17	332-1043	1	*Jumper, Copper	45	871-0007	1	Nut, Hex (#8-32) - Begin
18	304-0735	1	Resistor, Fixed				Spec S
			*# 175-Ohm, 5 Watt - Spec P,	46	332-0942	1	†Tie, Cable - Hi-Tension Wire
			R & S	47	323-0488	6	†#Pin, Connector - Female
	352-0167	1	+ 89-Ohm, 5 Watt - Spec S	48	332-0147	2	Terminal, Solderless (#10)
19	357-0030	1	*#†Rectifier, Diode				50 Hertz
20	338-1111	1	*Harness, Wiring - Terminal	49	517-0132	1	Plug, Output Box (7/16")
			Block to Remote Socket				50 Hertz
			Housing	50	331-0010	1	Connector - 90° (1/2")
			*Block, Terminal (5 Place)				60 Hertz

* - Parts Included in 338-1112 Wiring Harness.

- Parts Included in 338-1168 Wiring Harness.

† - Parts Included in 338-1266 Wiring Harness.

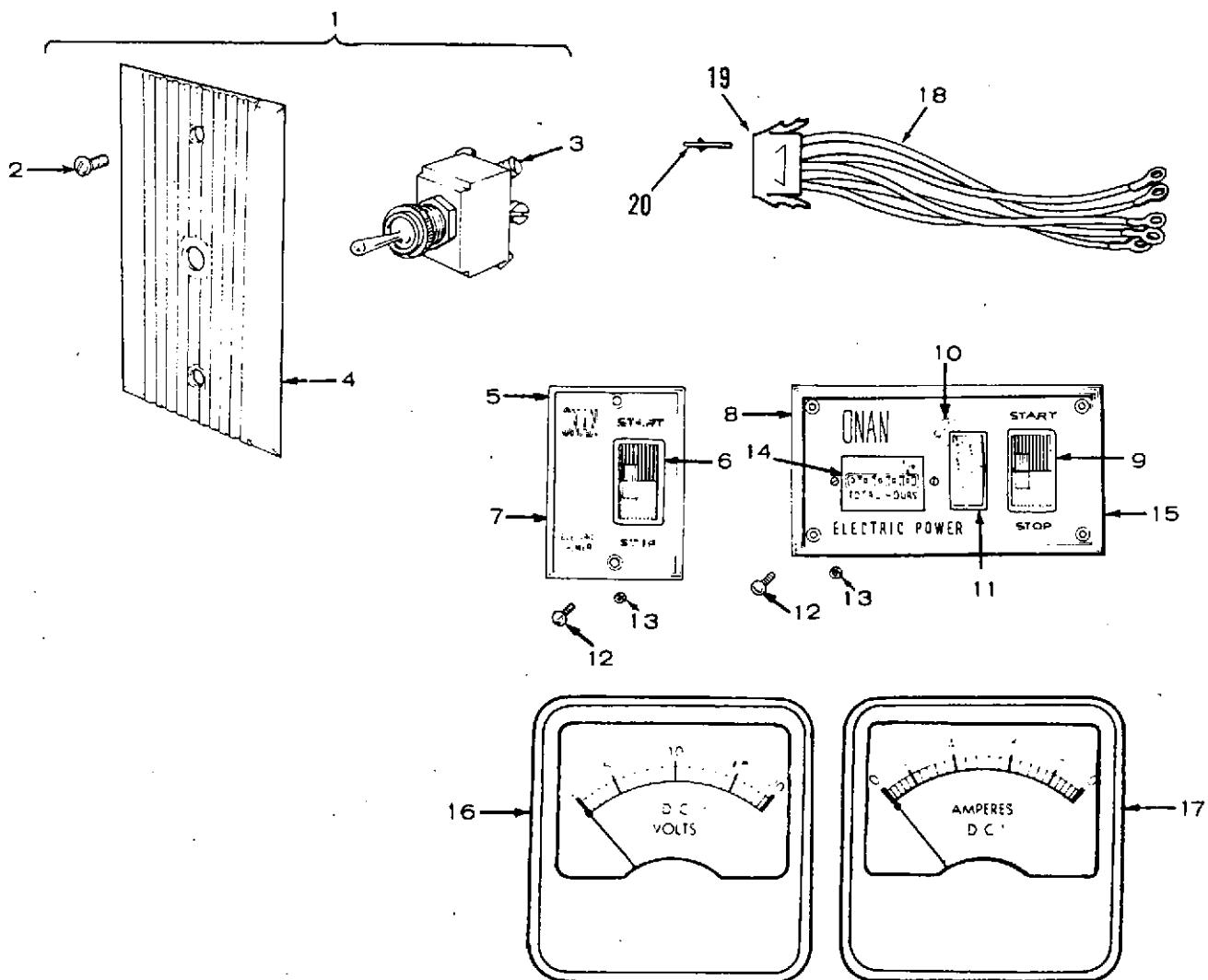


OPTIONAL EQUIPMENT SECTION

This section contains parts listing of factory installed options.

NOTE: Options may not be applicable to all models; for field installations, additional parts are usually required.

**Remote Starting Control - Optional Equipment
(Used with Three Wire Start Circuits Only)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0165	1	Control, Remote Starting (Includes Parts Marked *)	10	359-0034	1	Diode
2	815-0385	2	*Screw, Machine - Round Head, Black Zinc Finish (#6-32 x 1/2")	11	302-0888	1	\$Meter, Battery Condition
3	308-0154	1	*Switch, Toggle - SPDT	12	815-0385	2	\$Screw, Machine - Round Head, Black Zinc Finish (#6-32 x 1/2")
4	308-0168	1	*Plate, Mounting	13	860-0005	2	\$Nut, Hex (#6-32)
5	300-2313	1	Control, Remote Starting - Standard (Includes Parts Marked *)	14	302-0885	1	\$Meter, Time Totalizing
6	308-0341	1	#Switch, Push - DPDT (Momentary) With Integral 12 Volt Lamp	15	301-3606	1	\$Panel, Control
7	301-3566	1	#Panel, Control	16	302-0562	1	Voltmeter, DC (0-20)
8	300-2314	1	Control, Remote Starting - Deluxe (Includes Parts Marked \$)	17	302-0561	1	Ammeter, DC (0-10)
9	308-0341	1	\$Switch, Push - DPDT (Momentary) With Integral 12 Volt Lamp	18			Harness, Wiring - Remote Control - Spec S (Includes Parts Marked +)
				338-1080		1	Cable - 10 Feet
				338-1081		1	Cable - 30 Feet
				19	323-0400	1	+Housing, Connector Pin
				20	323-0500	5	+Pin, Connector - Male

* - Parts Included in Control 308-0165
 # - Parts Included in Control 300-2313
 \$ - Parts Included in Control 300-2314
 + - Parts Included in Remote Control Wiring Harness
 338-1080, 338-1081

Labels, Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
98-1100 525-0305	1	Kit, Label - General Service		518-0452	1	Sealant, Thread (50cc. Bottle)	
	1	Touch-up Paint (Pressurized Can) Green (13 oz.)					

SPECIAL PARTS LIST FOR MODEL 3.0AJ-1R SPEC 16017P
 FOR STANDARD PARTS REFER TO CATALOG 924-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1140-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
510-0043	1	Ball, Oil By-Pass Spring			
402-0428	4	Cushion, Vibration - Mounting			
518-0006	1	Clip, Governor Link to Carb			
332-0142	1	Terminal, Ground			
337-0049	1	Strap, Ground			
332-0942	1	Tie, Cable (Hi-Tension Wire)			
338-1168	1	Harness, Wiring - Control (Includes Parts Marked +)			
357-0030	1	+Rectifier, Diode			
323-0440	1	+Housing, Socket (Plug)			
307-1575	2	+Relay, Ignition			
332-1445	16	+Tie, Cable			
304-0735	1	+Resistor, Fixed (175 Ohm, 5 Watt)			
338-0479	1	Harness, Wiring - Brush Terminal			
338-1082	1	Harness, Wiring - Remote			

SPECIAL PARTS LIST FOR MODEL

3.0AJ-1R

SPEC

16017R

FOR STANDARD PARTS REFER TO CATALOG

924-0222

KEY NO.

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO.

611-1140-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
510-0043	1	Ball, Oil By-Pass Spring			
402-0428	4	Cushion, Vibration - Mounting			
518-0006	1	Clip, Governor Link to Carb			
332-0142	1	Terminal, Ground			
337-0049	1	Strap, Ground			
332-0942	1	Tie, Cable (Hi-Tension Wire)			
338-1168	1	Harness, Wiring - Control (Includes Parts Marked +)			
357-0030	1	+Rectifier, Diode			
323-0440	1	+Housing, Socket - (Plug)			
307-1575	2	+Relay, Ignition			
332-1445	16	+Tie, Cable			
304-0735	1	+Resistor, Fixed (175 Ohm, 5 Watt)			
338-0479	1	Harness, Wiring - Brush Terminal			
338-1082	1	Harness, Wiring - Remote			

SPECIAL PARTS LIST FOR MODEL 3.0 AJ-1R SPEC 160178
FOR STANDARD PARTS REFER TO CATALOG 924-0222 KEY NO. -
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-148-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Recreational Vehicle					



SPECIAL PARTS LIST FOR MODEL

3.0AJ-1R

SPEC

16018P

FOR STANDARD PARTS REFER TO CATALOG 924-0222

KEY NO.

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1140-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
510-0043	1	Ball, Oil By-Pass Spring			
402-0428	4	Cushion, Vibration - Mounting			
518-0006	1	Clip, Governor Link to Carb			
332-0142	1	Terminal, Ground			
337-0049	1	Strap, Ground			
332-0942	1	Tie, Cable (Hi-Tension Wire)			
338-1168	1	Harness, Wiring - Control (Includes Parts Marked +)			
357-0030	1	+Rectifier, Diode			
323-0440	1	+Housing, Socket (Plug)			
307-1575	2	+Relay, Ignition			
332-1445	16	+Tie, Cable			
304-0735	1	+Resistor, Fixed (175 Ohm, 5 Watt)			
338-0479	1	Harness, Wiring - Brush Terminal			
505-0011	1	Elbow, Street - Oil Drain			
505-0054	3	Plug, Oil Drain			
155-1586	1	Tube, Exhaust			
403-1379	1	Tray, Generator Set Mtg.			



Power

Generation

Dated Dec., 1978

Revised

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Page 1

of 1

SPECIAL PARTS LIST FOR MODEL 3.0AJ-1R **SPEC** 16018R
FOR STANDARD PARTS REFER TO CATALOG 924-0222 **KEY NO.** -
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1140-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
510-0043	1	Ball, Oil By-Pass Spring			
402-0428	4	Cushion, Vibration - Mounting			
518-0006	1	Clip, Governor Link to Carb			
332-0142	1	Terminal, Ground			
337-0049	1	Strap, Ground			
332-0942	1	Tie, Cable (Hi-Tension Wire)			
338-1168	1	Harness, Wiring - Control (Includes Parts Marked +)			
357-0030	1	+Rectifier, Diode			
323-0440	1	+Housing, Socket (Plug)			
307-1575	2	+Relay, Ignition			
332-1445	16	+Tie, Cable			
304-0735	1	+Resistor, Fixed (175 Ohm, 5 Watt)			
338-0479	1	Harness, Wiring - Brush Terminal			
505-0011	1	Elbow, Street - Oil Drain			
505-0054	1	Plug, Oil Drain			
155-1586	1	Tube, Exhaust			
403-1379	1	Tray, Generator Set Mtg.			



Power Generation

Dated Dec 1, 1978

Revised

SPECIAL PARTS LIST FOR MODEL 3.0AJ-1R SPEC 16018S
FOR STANDARD PARTS REFER TO CATALOG 924-0222 KEY NO.
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 611-1148-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Recreational Vehicle					
403-1379	1	Tray, Mounting-Engine/Generator			
505-0011	1	Elbow, Street-Oil Drain (1/4 x 90°)			
505-0054	1	Plug, Oil Drain			